

PRINTER RUSH
(PTO ASSISTANCE)

Application : 10/822, 119

Examiner : Wilson

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[RUSH] MESSAGE: Page 8, Line # 12 of the Specification
refers to figs. 19-90, however there are only 29 figures in file.
Please advise.

Thank you.

[XRUSH] RESPONSE: Type, fixed

INITIALS: dsf

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REV 10/04

fittings 32 and 36 are interchanged and axle support 70 removed from post 26 (Fig. 15). Once the second push nut 10 is inserted in ram slide 42, the partially assembled cart 2 is rolled onto press tool 20 (Fig. 16). Ramps 74 allow the partially assembled cart to be rolled easily onto and off the press tool. Guides 34 of stop fitting 32 help center cart 2. The sides of frame 22 act as chokes to prevent cart 2 from moving about and ensure proper positioning. When the cart is positioned atop press tool 20, the end of axle rod 6 abuts against stop fitting 32 and is axially aligned with ram slide 42. Once the cart is properly positioned on press tool 20, lever 50 is depressed, which extends ram slide 42 pressing the second push nut onto the axle rod (Fig. 17). Once the second push nut is secured to the axle rod, cart assembly is completed and the cart is rolled off the press tool (Fig. 18).

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Figs. 19 - 20 illustrate how press tool 20 is used to disassemble rollout cart 2. To disassemble cart 2, that is remove a push nut 10 from axle rod 6, press tool 20 is configured similar to that of Figs. 15 and 16, except that assembly fitting 60 is interchanged for removal fitting 64 within ram slide 42. As shown, to remove push nut 10, cart 2 is rolled onto press tool 20 and axle rod 6 and push nut 10 are rotated so that teeth 16 of the push nut align with prongs 68 of removal head 66. When lever 50 is depressed extending ram slide 42, prongs 68 engage and deform push nut flange 14 around teeth 16, which pulls the teeth back out of engagement with axle rod 6. When lever 50 is release, push nut 10 can be manually pulled off axle rod 6 by hand with nominal force. Often, the push nut will simply fall off the axle. This process can be repeated for the other push nut as necessary.

Hand Held Embodiment

Figs. 21 - 29 illustrate a hand held embodiment of the apparatus of this invention, which is designated generally as reference numeral 100. Press tool 100 is constructed of metal tubing or other material that will provide sufficient structural strength, but still allow a user to manipulate the press tool with one hand. Press 100 includes an L-shaped frame 102 having a long cross member 104 and a shorter leg